

Title (en)

JOINING METHOD AND APPARATUS FOR PERFORMING SAME

Title (de)

FÜGEVERFAHREN UND VORRICHTUNG ZUR AUSFÜHRUNG DES FÜGEVERFAHRENS

Title (fr)

PROCÉDÉ D'ASSEMBLAGE ET DISPOSITIF D'EXÉCUTION DU PROCÉDÉ D'ASSEMBLAGE

Publication

EP 3330549 B1 20211222 (DE)

Application

EP 16201508 A 20161130

Priority

EP 16201508 A 20161130

Abstract (en)

[origin: US2018147788A1] A method for joining a fastener to a workpiece. The method comprising the following steps. Providing a fastening element including: a shaft-shaped anchor section which extends between a first end and a second end along an anchor axis; a flange formed on and extending radially to the first end of the anchor section, and the flange at least partially forms an application section, and; a joining material pre-applied to the application section and lying in an at least partially solid state, and wherein the joining material includes a first adhesive material and a second adhesive material. Providing a workpiece including a carrier surface. Arranging the fastening element on the carrier surface. Mixing the first and second adhesive materials by rotating the fastening element. And, joining the fastening element to the workpiece via the cross-linking reaction of the first and second adhesive materials.

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102020132654A1; US11413797B2; WO2020015987A1; WO2020249211A1

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